



AC Three-phase Motors - IE4/IE3/IE2/IE1

**HIGH EFFICIENCY MOTORS - IE2**

- Customisation at all levels



## TECHNICAL DATA

**Motor Type** AMMEHE 71Z AA4 - 0.25 kW - 4 poles - 230V - 50Hz

## PERFORMANCE DATA

|  |               |
|--|---------------|
| <b>Type</b>                              | AMMEHE 71Z AA |
| <b>Poles</b>                             | 4             |
| <b>kW</b>                                | 0.25          |
| <b>HP</b>                                | 0.33          |
| <b>rpm</b>                               | 1395          |
| <b>Mn Nm</b>                             | 1.7           |
| $\eta$ 100%                              | 68.50         |
| <b>cos Phi</b>                           | 0.97          |
| <b>I<sub>N</sub> 230V</b>                | 1.6           |
| <b>I<sub>A</sub>/I<sub>N</sub></b>       | 3.0           |
| <b>M<sub>A</sub>/M<sub>N</sub></b>       | 2.9           |
| <b>M<sub>K</sub>/M<sub>N</sub></b>       | 1.4           |
| <b>J 10<sup>-3</sup> kgm<sup>2</sup></b> | 1.12          |
| <b>kg</b>                                | 8.9           |

## Mechanical Data

|                                     |                               |
|-------------------------------------|-------------------------------|
| <b>Design</b>                       | ALUMINIUM                     |
| <b>Degree of protection</b>         | IP 55                         |
| <b>Bearings DE/NDE</b>              | 6203/2Z                       |
| <b>Lubrication grease</b>           | low & high temperature grease |
| <b>Regreasing device horizontal</b> | permanent lubrication         |
| <b>Regreasing device vertical</b>   | permanent lubrication         |
| <b>Cooling</b>                      | IC 411                        |
| <b>Vibration Level</b>              | A (normal)                    |
| <b>Noise Lpa db(A)</b>              | 42                            |

## Electrical Data

|                                  |                |
|----------------------------------|----------------|
| <b>Voltage</b>                   | 230V - 50Hz    |
| <b>Connection</b>                | 230V           |
| <b>Running Capacitor Microf</b>  | 10             |
| <b>Starting Capacitor Microf</b> | 53 - 64        |
| <b>Duty type</b>                 | S1             |
| <b>Thermal protection</b>        | na             |
| <b>Insulation class</b>          | F              |
| <b>Direction of rotation</b>     | bidirectional  |
| <b>Ambient temperature</b>       | -20°C / +40 °C |
| <b>Altitude</b>                  | 1000 m.a.s.l.  |